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INDEX TO AMERICAN BOTANICAL LITERATURE

1917 1921

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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- Peltier, G. L.** Influence of temperature and humidity on the growth of *Pseudomonas Citri* and its host plants and on infection and development of the disease. Jour. Agr. Research **20**: 447-506. 15 D 1920.
- Popenoe, W.** The Colombian berry or giant blackberry of Colombia. Jour. Hered. **11**: 195-202. 20 Ja 1921. [Illust.]
Rubus roseus (?)
- Popenoe, W.** The tree dahlia of Guatemala. Jour. Hered. **11**: 265-268. f. 20-22. 5 F 1921.
Dahlia maxoni Safford.
- Praeger, W. E.** A collection of *Sphagnum* from the Douglas Lake region, Cheboygan County, Michigan. Ann. Rep. Michigan Acad. Sci. **21**: 237, 238. Jl 1920.
- Reed, H. S.** Volney Morgan Spalding. Plant World **22**: 14-18. Ja 1919.
With portrait.
- Reyes, L. J.** Fiber studies of Philippine dipterocarps. Jour. For. **19**: 97-104. F 1921.
- Roberts, J. W.** *Clitocybe sudorifica* as a poisonous mushroom. Mycologia **13**: 42-44. 3 F 1921.

- Roberts, J. W.** Stockton Mosby McMurren. *Phytopathology* **11**: 25, 26. Ja 1921.
With portrait.
- Robinson, B. L.** The Eupatoriums of Bolivia. *Contrib. Gray Herb.* II. **71**: 30-80. 30 D 1920.
- Robinson, B. L.** Further diagnoses and notes on tropical American Eupatorieae. *Contrib. Gray Herb.* II. **71**: 3-30. 30 D 1920.
Includes new species in *Ageratum* (1), *Alomia* (1), *Eupatorium* (9), and *Mikania* (19).
- Rose, J. N.** Botanical explorations in Ecuador. *Bull. Pan-American Union* **1921**: 24-34. Ja 1921.
- Savelli, R.** Virescente e proliferazioni in *Nicotiana Tabacum* e *N. sylvestris* Speg. *Boll. Tecn. Tabacco* **17**: 247-259. *pl.* 1. 1920.
- Schertz, F. M.** A chemical and physiological study of mottling of leaves. *Bot. Gaz.* **71**: 81-130. *f.* 1-6. 15 F 1921.
Coleus Blumei studied.
- Scott, W. R. M., & Petry, E. N.** Correlation of variation in resin content of *Podophyllum* with certain habitats. *Ann. Rep. Michigan Acad. Sci.* **21**: 225-231. Jl 1920.
- Shear, C. L.** Cranberry diseases and their control. U. S. Dept. Agr. Farmers' Bull. 1081: 1-22. *f.* 1-12. D 1920.
- Sherff, E. E.** Studies in the genus *Bidens*—V. *Bot. Gaz.* **70**: 89-109. *pl.* 11-14. 21 Au 1920.
Includes 13 new species from America and the Hawaiian Islands.
- Shive, J. W.** The influence of the moisture content of sand cultures upon the physiological salt balance for plants. *New Jersey Agr. Exp. Sta. Ann. Rep.* **40**: 358-363. 1920.
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- Shunk, I. V., & Wolf, F. A.** Further studies on bacterial blight of soybean. *Phytopathology* **11**: 18-24. *f.* 1. Ja 1921.
- Smith, C. P.** Studies in the genus *Lupinus*—V. The *Sparsiflori*. *Bull. Torrey Club* **47**: 487-509. *f.* 53-66. 24 N 1920.
Includes 6 new varieties.
- Smith, G. M.** Phytoplankton of the inland lakes of Wisconsin—I. *Wisconsin Geol. & Nat. Hist. Surv. Bull.* **57**: 1-243. *pl.* 1-51. 1920.
Includes *Echinospaerella* gen. nov. and new species in *Aphanocapsa* (1), *Rhizochrysis* (1), *Chlamydomonas* (2), *Volvox* (1), *Westella* (1), *Tetraodon* (1), *Selenastrum* (1), *Crucigenia* (1).

- Standley, P. C.** Ferns of Glacier National Park, Montana. *Am. Fern Jour.* **10**: 97-110. 7 F 1920.
- Steinberg, R. A.** Effect of zinc and iron compared with that of uranium and cobalt in growth of *Aspergillus*. *Bot. Gaz.* **70**: 465-468. 30 D 1920.
- Stevens, F. L.** New or noteworthy Porto Rican fungi. *Bot. Gaz.* **70**: 399-402. f. 1-4. 24 N 1920.
- Stevens, N. E.** The botany of the New England poets. *Sci. Mo.* **12**: 137-149. F 1921.
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- Stewart, G. R., & Martin, J. C.** Effect of various crops upon the water extract of a typical silty clay loam soil. *Jour. Ag. Research* **20**: 663-667. f. 1-5. 15 Ja 1921.
- Stomps, T. J.** Über die verschiedenen Zustände der Pangene. *Biol. Zentralbl.* **37**: 161-177. 30 Ap 1917.
[Corrected reprint.]
- Stone, H.** Les bois utiles de la Guyane Française—II. *Ann. Mus. Colon. Marseille* **26**²: 1-68. 1918.
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- Stork, H. E.** Biology, morphology, and cytoplasmic structure of *Aleurodiscus*. *Am. Jour. Bot.* **7**: 445-457. pl. 3 1-33. 12 Ja 1921.
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- Stuckey, H. P.** Work with *Vitis rotundifolia*, a species of Muscadine grapes. *Georgia Exp. Sta. Bull.* **133**: 62-74. f. 1-6. 1920.
- Sturtevant, E. L.** Notes on edible plants. *New York Agr. Exp. Sta.* **1919**: 1-686. 1919. Edited by U. P. Hedrick. Forms part of N. Y. Agr. Exp. Sta. Report 1919 and vol. 2, part 2, of 27th annual report of N. Y. Depart. Agr.
Contains a brief biography of Sturtevant.
- Sturtevant, G.** Notes from my hybridization records. *Am. Iris Soc.* **2**: 29, 30. Ja 1921.
Lists fertile and sterile varieties of *Iris*.
- Svenson, H. K.** A northeastern variety of *Panicum*. *Rhodora* **22**: 153-155. f. 1-5. 29 O 1920.
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- Swingle, W. T.** A new species of *Pistacia* native to southwestern Texas, *P. texana*. Jour. Arnold Arbor. **2**: 105-110. 1920.
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- Taubenhaus, J. J.** Wilts of the watermelon and related crops (*Fusarium* wilts of cucurbits.) Texas Agr. Exp. Sta. Bull. 260: 3-50. f. 1-16. F 1920.
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- Taylor, R. H.** Report of the Assistant to the Chief of Division of Plant Industry. Bull. California Dept. Agr. **9**: 411-415. 1920.
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